

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333178-940

Luminaire Tested: **S125DIP-S610D810U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333178-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S610D810U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5142.8 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

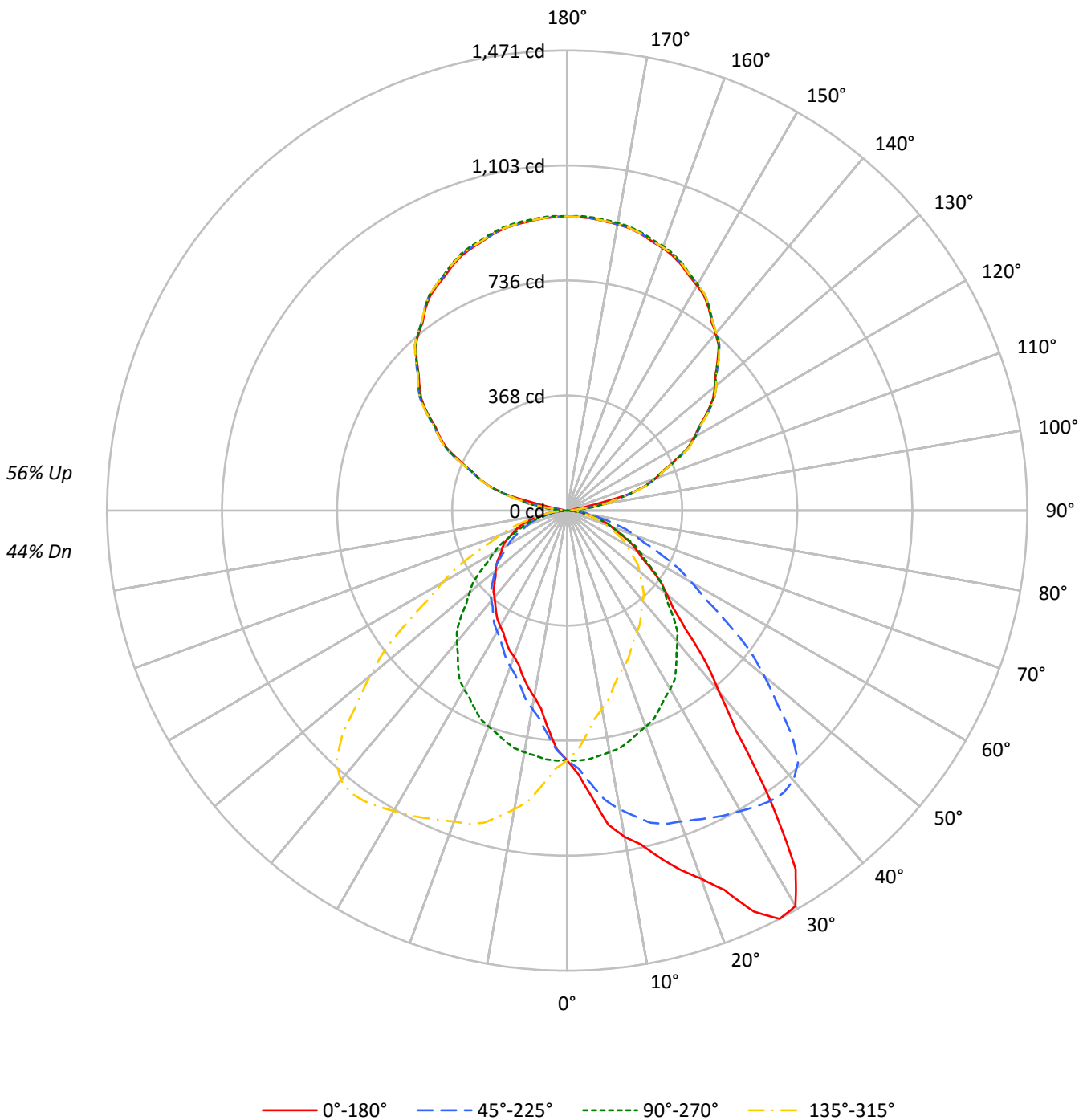
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	39	34	39	34	30	32	28	25	26	23	21	18
7	58	45	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	13	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5154	5154	5154	5154
5°	5969	5172	4528	5172
10°	6944	5145	3968	5145
15°	7687	5107	3660	5107
20°	8605	5047	3413	5047
25°	10080	4980	3293	4980
30°	10888	4914	3188	4914
35°	8952	4788	3120	4788
40°	6363	4615	3044	4615
45°	4888	4381	3001	4381
50°	4173	4091	2995	4091
55°	3715	3806	3021	3806
60°	3352	3495	3099	3495
65°	3096	3183	3177	3183
70°	2814	2859	3225	2859
75°	2485	2518	3194	2518
80°	2094	2053	2923	2053
85°	1660	1482	2356	1482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	1.5
10°-20°	228.8	4.4
20°-30°	371.4	7.2
30°-40°	453.1	8.8
40°-50°	412.2	8.0
50°-60°	328.3	6.4
60°-70°	228.7	4.4
70°-80°	121.9	2.4
80°-90°	32.7	0.6
90°-100°	34.2	0.7
100°-110°	210.7	4.1
110°-120°	382.1	7.4
120°-130°	490.4	9.5
130°-140°	527.5	10.3
140°-150°	495.1	9.6
150°-160°	400.5	7.8
160°-170°	259.0	5.0
170°-180°	89.3	1.7
0°-30°	677.0	13.2
0°-40°	1130.1	22.0
0°-60°	1870.6	36.4
0°-90°	2254.0	43.8
90°-120°	627.0	12.2
90°-150°	2140.0	41.6
90°-180°	2889.0	56.2
0°-180°	5142.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	921	798	698	798	921	93
15°	1150	764	547	764	1150	329
25°	1415	699	462	699	1415	646
35°	1135	607	396	607	1135	695
45°	535	480	329	480	535	428
55°	330	338	268	338	330	297
65°	203	208	208	208	203	201
75°	100	101	128	101	100	107
85°	22	20	32	20	22	26
90°	17	1	17	1	17	8
95°	15	40	15	40	15	12
105°	207	205	207	205	207	187
115°	382	385	382	385	382	379
125°	547	547	547	547	547	487
135°	680	683	680	683	680	525
145°	789	792	789	792	789	493
155°	865	872	865	872	865	399
165°	915	920	915	920	915	258
175°	937	941	937	941	937	89
180°	941	941	941	941	941	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	844.2	843.0	842.0	839.8	841.4	836.8	834.6	830.9	826.3	824.7	822.7
5°	920.7	922.4	924.1	916.9	917.7	912.9	902.1	893.2	886.2	877.0	870.6
7.5°	1012.8	1008.8	1008.5	1003.9	996.0	989.6	978.2	963.7	949.7	933.7	920.5
10°	1058.9	1059.3	1056.2	1050.8	1042.3	1036.2	1021.3	1007.1	989.8	969.5	954.9
12.5°	1093.6	1095.0	1091.2	1083.9	1079.7	1066.0	1054.4	1037.4	1016.9	1000.7	978.5
15°	1149.7	1145.9	1143.3	1134.1	1126.9	1112.8	1094.1	1076.5	1054.2	1033.5	1012.8
17.5°	1203.7	1206.8	1201.7	1193.3	1171.3	1154.6	1129.6	1105.5	1077.6	1050.0	1025.3
20°	1252.0	1254.7	1246.9	1232.3	1205.9	1189.3	1156.5	1125.2	1093.1	1057.6	1030.5
22.5°	1312.2	1310.0	1299.5	1277.3	1254.5	1223.7	1188.2	1150.2	1109.9	1069.7	1033.7
25°	1414.6	1400.3	1393.9	1366.5	1336.3	1291.3	1242.5	1187.0	1136.8	1083.6	1037.6
27.5°	1471.3	1466.9	1459.7	1440.6	1408.9	1360.8	1303.2	1235.6	1164.8	1097.7	1037.3
30°	1460.0	1460.6	1461.3	1455.2	1434.9	1398.6	1341.4	1268.5	1184.5	1109.0	1039.3
32.5°	1359.1	1371.5	1383.3	1397.2	1402.9	1396.0	1360.1	1294.3	1207.9	1122.0	1038.1
35°	1135.4	1139.2	1177.5	1215.4	1266.9	1306.9	1333.6	1304.5	1231.6	1133.1	1036.9
37.5°	885.3	903.7	930.1	973.0	1047.3	1113.8	1199.4	1238.8	1215.2	1136.7	1034.5
40°	754.7	771.7	788.9	832.6	895.3	975.9	1073.1	1156.1	1175.5	1125.2	1026.4
42.5°	653.9	667.4	686.5	719.3	771.7	843.1	936.0	1044.5	1111.2	1092.3	1009.3
45°	535.2	543.7	558.6	584.7	622.6	678.5	760.5	879.0	982.3	1016.6	968.8
47.5°	458.1	458.1	469.7	487.7	515.1	562.5	623.1	716.0	826.3	908.0	904.2
50°	415.3	413.6	422.8	438.4	460.0	491.5	549.5	623.7	729.7	822.2	847.8
52.5°	378.4	378.6	384.2	395.7	413.9	440.9	484.1	551.0	641.6	736.5	785.0
55°	329.9	328.6	335.0	342.8	356.1	373.6	404.8	455.9	529.4	622.9	685.9
57.5°	285.5	289.2	291.8	297.2	308.2	319.9	346.3	383.8	442.1	522.4	589.0
60°	259.5	263.2	265.2	270.6	279.5	289.6	310.0	340.5	389.6	458.7	524.7
62.5°	236.1	239.1	239.8	244.6	251.8	261.7	277.7	303.3	342.1	402.5	467.3
65°	202.6	202.6	203.9	209.0	212.4	221.2	233.4	252.0	283.2	330.3	385.5
67.5°	170.1	171.8	171.5	173.7	176.8	183.7	192.4	207.8	230.9	265.2	309.4
70°	149.0	150.4	150.1	151.8	155.2	159.5	166.7	181.2	197.8	227.3	265.2
72.5°	130.1	130.6	129.7	132.0	134.0	137.9	145.8	153.6	169.1	193.9	225.2
75°	99.6	100.2	100.9	102.3	104.3	106.4	110.4	118.2	128.4	147.0	167.0
77.5°	74.6	73.4	75.0	74.8	76.0	77.5	81.1	85.2	93.5	105.3	120.8
80°	56.3	56.5	56.5	56.9	58.6	59.7	62.7	65.7	72.1	81.0	91.8
82.5°	41.0	41.9	41.4	42.0	43.4	44.1	45.8	48.3	52.1	59.0	66.9
85°	22.4	20.7	21.3	22.0	22.0	22.4	23.7	24.7	26.8	29.4	32.5
87.5°	9.8	10.3	10.5	10.3	10.5	10.4	11.3	11.2	11.9	12.6	13.4
90°	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.8	11.9	11.1	10.1
92.5°	15.6	15.4	15.2	15.0	14.7	14.3	13.5	12.8	11.9	11.1	10.2
95°	14.6	14.6	14.6	14.6	14.6	14.3	13.5	12.8	11.9	11.1	17.0
97.5°	14.6	14.6	14.6	14.6	14.6	16.9	21.2	25.6	30.0	34.3	45.9
100°	14.6	15.2	15.9	16.5	17.1	29.0	52.1	75.2	98.3	121.4	120.7
102.5°	87.7	98.3	108.8	119.3	129.9	137.3	141.7	146.1	150.4	154.8	154.4
105°	207.1	207.2	207.4	207.6	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.1	261.5	262.0	262.5	263.0	263.1	263.1	263.1	263.1	263.1	262.7
110°	298.5	298.3	298.2	298.0	297.8	298.0	298.5	298.9	299.4	299.9	299.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	332.0	332.2	332.3	332.6	332.8	333.2	333.8	334.4	335.0	335.6	335.4
115°	382.2	383.1	384.0	385.0	385.8	386.6	387.3	387.9	388.5	389.1	389.0
117.5°	435.7	436.1	436.5	436.9	437.3	437.9	438.7	439.5	440.3	441.1	440.6
120°	468.6	469.4	470.2	470.9	471.7	472.3	472.6	472.9	473.2	473.5	473.1
122.5°	499.9	500.8	501.7	502.6	503.5	504.1	504.4	504.7	505.0	505.3	505.1
125°	547.4	547.9	548.3	548.8	549.3	549.8	550.5	551.1	551.7	552.3	552.3
127.5°	587.5	588.6	589.8	590.9	592.0	592.8	593.2	593.4	593.8	594.1	594.2
130°	616.4	617.2	618.0	618.8	619.6	620.2	620.6	621.1	621.6	622.1	621.9
132.5°	643.3	644.0	644.8	645.6	646.3	646.8	646.8	646.9	647.0	647.1	647.5
135°	679.9	680.8	681.8	682.7	683.7	684.3	684.6	684.9	685.2	685.5	685.8
137.5°	716.8	717.6	718.4	719.2	720.0	720.3	720.2	720.2	720.1	720.1	720.4
140°	738.5	739.4	740.4	741.3	742.3	742.5	742.3	741.9	741.6	741.3	741.5
142.5°	759.1	760.1	761.0	762.0	762.9	763.3	763.2	763.2	763.1	763.0	762.9
145°	789.4	790.3	791.3	792.2	793.1	793.5	793.4	793.2	793.1	792.9	792.9
147.5°	814.4	815.5	816.6	817.7	818.9	819.3	819.1	818.9	818.8	818.6	818.4
150°	830.5	831.8	833.0	834.3	835.5	836.0	835.7	835.4	835.1	834.7	834.5
152.5°	845.6	846.8	847.8	849.0	850.1	850.5	850.2	849.9	849.5	849.3	848.9
155°	865.4	866.7	867.9	869.2	870.4	870.8	870.3	869.9	869.3	868.9	868.6
157.5°	882.0	883.2	884.5	885.7	887.0	887.3	886.9	886.4	885.8	885.4	885.3
160°	892.6	893.9	895.1	896.3	897.6	897.9	897.2	896.6	896.0	895.4	895.3
162.5°	902.1	903.5	904.8	906.2	907.6	907.8	907.0	906.1	905.2	904.4	904.2
165°	914.9	916.1	917.4	918.6	919.9	920.1	919.1	918.2	917.3	916.3	916.1
167.5°	923.9	925.2	926.7	928.0	929.4	929.6	928.4	927.4	926.2	925.1	925.0
170°	928.9	930.2	931.7	933.1	934.4	934.5	933.3	932.0	930.9	929.6	929.4
172.5°	932.2	933.6	935.0	936.4	937.8	938.0	936.8	935.7	934.6	933.4	933.2
175°	936.6	938.0	939.3	940.8	942.1	942.2	940.9	939.7	938.5	937.3	937.1
177.5°	939.1	940.0	941.0	942.0	943.1	943.1	942.2	941.4	940.5	939.6	939.5
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	821.1	819.2	817.1	813.2	808.6	806.2	802.5	800.0	795.0	791.0	786.7
5°	862.7	854.0	845.9	835.4	823.9	816.4	807.5	797.7	787.6	777.0	765.5
7.5°	905.9	890.4	873.4	855.2	837.4	821.0	805.3	790.0	775.6	758.2	743.5
10°	935.0	915.3	894.3	869.5	845.5	824.5	803.2	784.5	765.5	745.2	727.3
12.5°	963.9	937.7	908.1	880.9	852.0	826.7	801.6	777.8	753.9	731.4	710.5
15°	984.4	961.4	933.9	895.3	862.7	827.9	794.7	763.8	735.0	710.0	683.6
17.5°	997.8	968.2	938.7	901.7	859.1	820.0	782.4	747.2	714.7	682.9	657.5
20°	1000.3	969.8	939.0	902.8	859.1	814.3	776.8	734.4	699.5	666.6	635.4
22.5°	999.5	964.9	931.4	894.0	851.5	810.3	764.8	721.7	683.8	651.5	618.9
25°	991.8	954.9	912.9	875.3	833.3	789.6	743.5	698.8	660.2	623.3	591.1
27.5°	985.4	937.5	890.0	846.1	805.6	765.5	721.5	675.6	632.8	595.4	565.1
30°	977.6	925.1	871.6	825.8	784.2	745.2	703.6	658.9	614.1	577.6	545.0
32.5°	970.5	909.4	852.9	803.1	759.0	721.1	682.7	640.2	596.3	559.1	526.6
35°	957.0	886.2	821.4	765.2	718.1	679.2	647.0	607.3	567.0	531.1	500.0
37.5°	939.7	855.7	786.2	727.3	675.6	634.6	604.7	574.3	535.6	501.0	472.8
40°	926.1	834.0	760.5	700.2	646.7	604.0	576.2	547.4	515.2	483.0	453.3
42.5°	909.0	814.5	734.4	669.6	616.6	575.0	545.8	521.4	493.0	463.0	435.3
45°	877.7	779.1	692.4	622.6	569.1	528.1	497.9	479.7	458.3	429.9	406.5
47.5°	831.5	736.6	646.9	574.9	519.7	481.7	453.4	435.9	420.9	399.8	378.5
50°	790.6	704.9	614.1	542.7	487.4	449.2	423.1	407.2	394.3	378.0	360.1
52.5°	744.8	665.0	581.9	511.2	456.6	418.8	393.2	379.2	368.5	356.9	339.2
55°	672.1	604.3	527.1	460.0	409.6	372.6	350.3	338.0	329.2	320.5	309.6
57.5°	591.9	539.0	470.5	409.2	362.7	329.1	308.3	296.4	289.5	285.0	278.7
60°	535.6	490.2	431.2	375.3	329.9	300.1	279.8	270.6	264.9	261.2	256.5
62.5°	483.2	445.9	391.4	340.4	300.7	272.5	254.3	245.5	240.0	238.2	234.2
65°	406.2	377.4	332.3	290.0	256.1	232.0	216.8	208.3	204.9	202.9	203.2
67.5°	330.2	312.6	276.5	240.4	213.3	193.1	180.9	174.4	172.7	170.0	170.0
70°	283.8	270.6	240.1	208.7	184.6	169.1	158.2	151.4	149.7	148.4	148.0
72.5°	242.9	231.4	204.9	179.7	158.1	144.4	135.5	131.3	128.6	127.8	127.7
75°	182.6	176.1	155.2	135.2	120.3	110.8	104.7	100.9	98.9	98.5	98.9
77.5°	129.8	124.2	110.8	96.7	87.3	80.1	74.9	73.7	71.3	71.4	71.1
80°	97.6	93.8	85.3	74.2	66.4	60.3	57.6	55.2	54.6	53.5	54.6
82.5°	70.7	66.7	61.0	53.9	47.4	43.8	41.0	40.3	39.9	39.4	39.6
85°	34.9	35.2	31.8	26.4	23.7	21.7	20.0	20.0	19.6	19.4	19.6
87.5°	13.7	12.9	11.7	10.6	9.0	7.9	7.4	7.5	6.9	6.9	7.4
90°	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7	2.0	3.2	4.5
92.5°	9.3	8.3	7.3	7.3	8.1	9.0	9.9	10.7	9.9	9.0	8.1
95°	22.9	28.8	34.7	37.9	38.3	38.8	39.3	39.8	39.3	38.8	38.3
97.5°	57.6	69.3	81.0	86.3	85.5	84.6	83.8	83.0	83.8	84.6	85.5
100°	120.1	119.5	118.9	118.3	117.9	117.3	116.9	116.5	116.9	117.3	117.9
102.5°	154.1	153.7	153.3	152.8	152.2	151.7	151.1	150.5	151.1	151.7	152.2
105°	207.8	207.8	207.8	207.5	206.9	206.3	205.6	205.0	205.6	206.3	206.9
107.5°	262.4	262.1	261.8	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6
110°	299.3	298.9	298.6	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5





TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	335.2	335.0	334.8	334.6	334.2	333.8	333.4	333.1	333.4	333.8	334.2
115°	388.8	388.7	388.5	388.1	387.3	386.5	385.8	385.0	385.8	386.5	387.3
117.5°	440.0	439.3	438.8	438.5	438.5	438.5	438.6	438.6	438.6	438.5	438.5
120°	472.6	472.1	471.6	471.4	471.6	471.8	472.0	472.1	472.0	471.8	471.6
122.5°	504.9	504.6	504.4	504.0	503.5	502.8	502.3	501.7	502.3	502.8	503.5
125°	552.3	552.3	552.3	551.8	550.7	549.6	548.5	547.4	548.5	549.6	550.7
127.5°	594.3	594.4	594.5	594.1	593.4	592.6	591.8	591.1	591.8	592.6	593.4
130°	621.7	621.6	621.4	621.0	620.2	619.4	618.7	617.9	618.7	619.4	620.2
132.5°	647.8	648.2	648.5	648.3	647.3	646.4	645.5	644.6	645.5	646.4	647.3
135°	686.1	686.4	686.7	686.4	685.5	684.6	683.7	682.7	683.7	684.6	685.5
137.5°	720.7	720.9	721.2	720.9	720.1	719.3	718.5	717.7	718.5	719.3	720.1
140°	741.6	741.7	741.9	741.8	741.5	741.2	740.9	740.6	740.9	741.2	741.5
142.5°	762.6	762.4	762.1	762.0	761.8	761.6	761.4	761.3	761.4	761.6	761.8
145°	792.9	792.9	792.9	792.7	792.5	792.1	791.8	791.5	791.8	792.1	792.5
147.5°	818.1	818.0	817.8	817.8	817.8	817.9	818.0	818.0	818.0	817.9	817.8
150°	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7	834.5	834.1	833.8
152.5°	848.6	848.3	848.0	848.2	848.9	849.5	850.2	851.0	850.2	849.5	848.9
155°	868.3	868.0	867.6	868.0	868.9	869.9	870.8	871.7	870.8	869.9	868.9
157.5°	885.3	885.3	885.2	885.5	886.1	886.6	887.2	887.7	887.2	886.6	886.1
160°	895.1	894.9	894.8	895.2	896.1	897.1	898.0	898.9	898.0	897.1	896.1
162.5°	904.0	903.8	903.7	904.1	905.0	906.0	906.9	907.9	906.9	906.0	905.0
165°	916.1	915.9	915.7	916.1	917.0	917.9	918.9	919.8	918.9	917.9	917.0
167.5°	924.8	924.6	924.5	924.9	925.9	926.8	927.8	928.7	927.8	926.8	925.9
170°	929.3	929.1	929.0	929.4	930.5	931.6	932.6	933.8	932.6	931.6	930.5
172.5°	932.9	932.6	932.4	932.7	933.9	935.0	936.0	937.1	936.0	935.0	933.9
175°	936.9	936.7	936.7	937.0	938.0	938.9	939.8	940.8	939.8	938.9	938.0
177.5°	939.3	939.2	939.1	939.4	940.2	940.9	941.6	942.4	941.6	940.9	940.2
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	784.3	781.2	778.8	773.4	770.4	766.3	763.1	766.6	762.9	764.5	762.1
5°	759.8	750.3	743.5	733.7	725.2	717.5	711.7	710.7	707.9	706.6	702.6
7.5°	730.4	718.5	706.9	694.0	683.1	672.2	665.0	659.2	655.4	650.3	646.8
10°	713.0	697.1	683.6	668.0	654.4	642.6	633.1	628.4	623.9	617.5	615.2
12.5°	691.6	675.2	658.6	641.9	629.0	615.7	607.6	600.5	597.4	590.1	589.4
15°	665.9	641.2	625.0	608.1	590.0	579.3	572.5	564.7	561.3	556.2	552.5
17.5°	635.3	613.2	592.9	575.4	560.0	550.9	542.4	537.1	531.3	528.0	521.8
20°	613.1	592.1	571.8	553.1	541.3	530.8	524.1	519.0	512.8	511.1	505.1
22.5°	594.4	571.2	551.7	536.1	523.2	511.3	504.0	500.5	496.3	491.1	489.9
25°	564.0	539.9	523.3	507.7	496.2	485.4	480.4	475.9	471.9	468.1	466.8
27.5°	537.7	516.2	496.5	482.4	472.4	462.5	458.1	452.7	449.7	446.7	443.1
30°	519.3	497.3	480.0	466.5	455.6	446.8	442.0	438.4	435.6	432.9	430.9
32.5°	500.3	479.9	463.2	450.0	439.1	432.5	428.2	425.6	422.6	419.4	416.8
35°	475.3	452.9	436.7	425.1	416.6	411.5	406.8	404.5	401.1	401.1	398.3
37.5°	447.0	427.7	413.3	402.8	395.2	390.7	385.6	384.0	381.7	380.3	379.4
40°	430.2	412.2	398.7	388.2	380.0	376.3	372.3	369.5	368.2	366.5	365.9
42.5°	412.9	395.7	382.7	373.0	366.0	362.7	359.0	357.1	354.4	352.1	351.8
45°	386.5	369.9	358.0	350.3	344.2	340.5	338.0	334.0	332.6	329.9	329.6
47.5°	361.5	345.5	333.9	327.5	322.2	319.1	315.4	311.4	309.8	308.4	308.4
50°	342.8	328.2	317.4	311.3	306.2	301.8	298.1	295.4	294.4	294.4	295.1
52.5°	323.9	311.5	302.2	294.8	290.0	285.3	281.9	280.2	278.7	280.3	281.5
55°	296.0	283.6	276.8	269.7	264.9	259.5	257.8	257.1	256.1	258.8	260.1
57.5°	266.6	257.9	249.9	242.9	238.6	235.5	233.2	232.8	234.7	235.9	240.4
60°	248.0	237.8	230.7	225.2	220.2	218.1	217.5	216.8	218.1	221.9	227.7
62.5°	227.4	219.1	211.4	207.4	203.7	200.3	200.1	200.5	203.2	207.5	213.3
65°	197.2	190.0	184.9	180.2	177.2	175.1	175.8	177.2	180.2	186.0	192.4
67.5°	166.5	161.6	157.0	153.2	150.3	150.3	151.0	153.0	156.6	163.2	169.1
70°	146.7	141.2	137.5	135.8	133.5	132.2	134.1	137.5	140.5	146.7	151.8
72.5°	126.9	122.3	119.4	118.2	117.2	116.1	116.8	120.5	124.6	130.7	136.6
75°	97.6	95.9	93.8	92.5	91.5	92.1	92.8	96.2	99.6	106.0	112.8
77.5°	71.2	69.5	68.2	67.9	67.3	67.7	69.6	72.1	75.4	80.1	85.2
80°	53.9	53.1	52.5	52.2	52.2	52.5	55.2	56.9	59.9	64.4	68.4
82.5°	39.2	38.8	38.7	38.6	38.9	39.0	40.6	42.8	45.3	48.7	52.2
85°	20.7	20.0	21.0	21.3	20.7	21.7	22.4	23.7	24.7	26.4	28.1
87.5°	7.9	8.6	8.6	9.1	9.4	10.1	10.0	11.2	11.9	12.6	12.5
90°	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.8	13.5	14.3	14.9
92.5°	7.3	7.3	8.3	9.3	10.2	11.1	11.9	12.8	13.5	14.3	14.7
95°	37.9	34.7	28.8	22.9	17.0	11.1	11.9	12.8	13.5	14.3	14.6
97.5°	86.3	81.0	69.3	57.6	45.9	34.3	30.0	25.6	21.2	16.9	14.6
100°	118.3	118.9	119.5	120.1	120.7	121.4	98.3	75.2	52.1	29.0	17.1
102.5°	152.8	153.3	153.7	154.1	154.4	154.8	150.4	146.1	141.7	137.3	129.9
105°	207.5	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.6	261.8	262.1	262.4	262.7	263.1	263.1	263.1	263.1	263.1	263.0
110°	298.5	298.6	298.9	299.3	299.5	299.9	299.4	298.9	298.5	298.0	297.8



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	334.6	334.8	335.0	335.2	335.4	335.6	335.0	334.4	333.8	333.2	332.8
115°	388.1	388.5	388.7	388.8	389.0	389.1	388.5	387.9	387.3	386.6	385.8
117.5°	438.5	438.8	439.3	440.0	440.6	441.1	440.3	439.5	438.7	437.9	437.3
120°	471.4	471.6	472.1	472.6	473.1	473.5	473.2	472.9	472.6	472.3	471.7
122.5°	504.0	504.4	504.6	504.9	505.1	505.3	505.0	504.7	504.4	504.1	503.5
125°	551.8	552.3	552.3	552.3	552.3	552.3	551.7	551.1	550.5	549.8	549.3
127.5°	594.1	594.5	594.4	594.3	594.2	594.1	593.8	593.4	593.2	592.8	592.0
130°	621.0	621.4	621.6	621.7	621.9	622.1	621.6	621.1	620.6	620.2	619.6
132.5°	648.3	648.5	648.2	647.8	647.5	647.1	647.0	646.9	646.8	646.8	646.3
135°	686.4	686.7	686.4	686.1	685.8	685.5	685.2	684.9	684.6	684.3	683.7
137.5°	720.9	721.2	720.9	720.7	720.4	720.1	720.1	720.2	720.2	720.3	720.0
140°	741.8	741.9	741.7	741.6	741.5	741.3	741.6	741.9	742.3	742.5	742.3
142.5°	762.0	762.1	762.4	762.6	762.9	763.0	763.1	763.2	763.2	763.3	762.9
145°	792.7	792.9	792.9	792.9	792.9	792.9	793.1	793.2	793.4	793.5	793.1
147.5°	817.8	817.8	818.0	818.1	818.4	818.6	818.8	818.9	819.1	819.3	818.9
150°	833.5	833.5	833.8	834.1	834.5	834.7	835.1	835.4	835.7	836.0	835.5
152.5°	848.2	848.0	848.3	848.6	848.9	849.3	849.5	849.9	850.2	850.5	850.1
155°	868.0	867.6	868.0	868.3	868.6	868.9	869.3	869.9	870.3	870.8	870.4
157.5°	885.5	885.2	885.3	885.3	885.3	885.4	885.8	886.4	886.9	887.3	887.0
160°	895.2	894.8	894.9	895.1	895.3	895.4	896.0	896.6	897.2	897.9	897.6
162.5°	904.1	903.7	903.8	904.0	904.2	904.4	905.2	906.1	907.0	907.8	907.6
165°	916.1	915.7	915.9	916.1	916.1	916.3	917.3	918.2	919.1	920.1	919.9
167.5°	924.9	924.5	924.6	924.8	925.0	925.1	926.2	927.4	928.4	929.6	929.4
170°	929.4	929.0	929.1	929.3	929.4	929.6	930.9	932.0	933.3	934.5	934.4
172.5°	932.7	932.4	932.6	932.9	933.2	933.4	934.6	935.7	936.8	938.0	937.8
175°	937.0	936.7	936.7	936.9	937.1	937.3	938.5	939.7	940.9	942.2	942.1
177.5°	939.4	939.1	939.2	939.3	939.5	939.6	940.5	941.4	942.2	943.1	943.1
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	760.4	762.3	760.7	762.9	760.7	762.3	760.4	762.1	764.5	762.9	766.6
5°	700.9	697.8	699.8	698.5	699.8	697.8	700.9	702.6	706.6	707.9	710.7
7.5°	645.9	642.9	639.6	638.0	639.6	642.9	645.9	646.8	650.3	655.4	659.2
10°	611.4	607.7	607.3	605.0	607.3	607.7	611.4	615.2	617.5	623.9	628.4
12.5°	586.2	582.7	578.9	577.9	578.9	582.7	586.2	589.4	590.1	597.4	600.5
15°	550.5	547.8	545.4	547.4	545.4	547.8	550.5	552.5	556.2	561.3	564.7
17.5°	520.7	518.4	518.1	515.6	518.1	518.4	520.7	521.8	528.0	531.3	537.1
20°	502.0	500.3	501.0	496.6	501.0	500.3	502.0	505.1	511.1	512.8	519.0
22.5°	487.1	483.8	483.4	482.5	483.4	483.8	487.1	489.9	491.1	496.3	500.5
25°	463.8	462.1	460.4	462.1	460.4	462.1	463.8	466.8	468.1	471.9	475.9
27.5°	443.4	441.3	440.9	441.0	440.9	441.3	443.4	443.1	446.7	449.7	452.7
30°	430.9	427.5	427.8	427.5	427.8	427.5	430.9	430.9	432.9	435.6	438.4
32.5°	417.3	415.0	414.6	413.9	414.6	415.0	417.3	416.8	419.4	422.6	425.6
35°	397.3	397.3	395.7	395.7	395.7	397.3	397.3	398.3	401.1	401.1	404.5
37.5°	378.5	378.3	377.2	377.4	377.2	378.3	378.5	379.4	380.3	381.7	384.0
40°	364.4	364.2	363.1	361.1	363.1	364.2	364.4	365.9	366.5	368.2	369.5
42.5°	351.0	349.8	349.3	348.7	349.3	349.8	351.0	351.8	352.1	354.4	357.1
45°	329.6	329.6	329.0	328.6	329.0	329.6	329.6	329.6	329.9	332.6	334.0
47.5°	308.9	309.5	310.8	310.6	310.8	309.5	308.9	308.4	308.4	309.8	311.4
50°	296.4	296.8	297.7	298.1	297.7	296.8	296.4	295.1	294.4	294.4	295.4
52.5°	282.6	284.5	285.8	285.6	285.8	284.5	282.6	281.5	280.3	278.7	280.2
55°	263.2	265.6	268.0	268.3	268.0	265.6	263.2	260.1	258.8	256.1	257.1
57.5°	244.1	247.4	249.9	250.7	249.9	247.4	244.1	240.4	235.9	234.7	232.8
60°	231.0	235.4	238.4	239.9	238.4	235.4	231.0	227.7	221.9	218.1	216.8
62.5°	218.6	223.5	226.6	226.9	226.6	223.5	218.6	213.3	207.5	203.2	200.5
65°	198.1	203.2	206.0	207.9	206.0	203.2	198.1	192.4	186.0	180.2	177.2
67.5°	176.2	181.3	184.3	185.9	184.3	181.3	176.2	169.1	163.2	156.6	153.0
70°	160.2	165.3	169.3	170.8	169.3	165.3	160.2	151.8	146.7	140.5	137.5
72.5°	144.5	149.0	152.3	153.9	152.3	149.0	144.5	136.6	130.7	124.6	120.5
75°	117.2	123.3	126.4	128.0	126.4	123.3	117.2	112.8	106.0	99.6	96.2
77.5°	90.4	95.9	97.7	98.6	97.7	95.9	90.4	85.2	80.1	75.4	72.1
80°	72.5	75.9	78.3	78.6	78.3	75.9	72.5	68.4	64.4	59.9	56.9
82.5°	55.7	58.5	59.3	60.2	59.3	58.5	55.7	52.2	48.7	45.3	42.8
85°	30.5	31.8	32.2	31.8	32.2	31.8	30.5	28.1	26.4	24.7	23.7
87.5°	13.1	12.9	13.0	13.6	13.0	12.9	13.1	12.5	12.6	11.9	11.2
90°	15.3	15.8	16.2	16.8	16.2	15.8	15.3	14.9	14.3	13.5	12.8
92.5°	15.0	15.2	15.4	15.6	15.4	15.2	15.0	14.7	14.3	13.5	12.8
95°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.3	13.5	12.8
97.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	16.9	21.2	25.6
100°	16.5	15.9	15.2	14.6	15.2	15.9	16.5	17.1	29.0	52.1	75.2
102.5°	119.3	108.8	98.3	87.7	98.3	108.8	119.3	129.9	137.3	141.7	146.1
105°	207.6	207.4	207.2	207.1	207.2	207.4	207.6	207.8	207.8	207.8	207.8
107.5°	262.5	262.0	261.5	261.1	261.5	262.0	262.5	263.0	263.1	263.1	263.1
110°	298.0	298.2	298.3	298.5	298.3	298.2	298.0	297.8	298.0	298.5	298.9



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	332.6	332.3	332.2	332.0	332.2	332.3	332.6	332.8	333.2	333.8	334.4
115°	385.0	384.0	383.1	382.2	383.1	384.0	385.0	385.8	386.6	387.3	387.9
117.5°	436.9	436.5	436.1	435.7	436.1	436.5	436.9	437.3	437.9	438.7	439.5
120°	470.9	470.2	469.4	468.6	469.4	470.2	470.9	471.7	472.3	472.6	472.9
122.5°	502.6	501.7	500.8	499.9	500.8	501.7	502.6	503.5	504.1	504.4	504.7
125°	548.8	548.3	547.9	547.4	547.9	548.3	548.8	549.3	549.8	550.5	551.1
127.5°	590.9	589.8	588.6	587.5	588.6	589.8	590.9	592.0	592.8	593.2	593.4
130°	618.8	618.0	617.2	616.4	617.2	618.0	618.8	619.6	620.2	620.6	621.1
132.5°	645.6	644.8	644.0	643.3	644.0	644.8	645.6	646.3	646.8	646.8	646.9
135°	682.7	681.8	680.8	679.9	680.8	681.8	682.7	683.7	684.3	684.6	684.9
137.5°	719.2	718.4	717.6	716.8	717.6	718.4	719.2	720.0	720.3	720.2	720.2
140°	741.3	740.4	739.4	738.5	739.4	740.4	741.3	742.3	742.5	742.3	741.9
142.5°	762.0	761.0	760.1	759.1	760.1	761.0	762.0	762.9	763.3	763.2	763.2
145°	792.2	791.3	790.3	789.4	790.3	791.3	792.2	793.1	793.5	793.4	793.2
147.5°	817.7	816.6	815.5	814.4	815.5	816.6	817.7	818.9	819.3	819.1	818.9
150°	834.3	833.0	831.8	830.5	831.8	833.0	834.3	835.5	836.0	835.7	835.4
152.5°	849.0	847.8	846.8	845.6	846.8	847.8	849.0	850.1	850.5	850.2	849.9
155°	869.2	867.9	866.7	865.4	866.7	867.9	869.2	870.4	870.8	870.3	869.9
157.5°	885.7	884.5	883.2	882.0	883.2	884.5	885.7	887.0	887.3	886.9	886.4
160°	896.3	895.1	893.9	892.6	893.9	895.1	896.3	897.6	897.9	897.2	896.6
162.5°	906.2	904.8	903.5	902.1	903.5	904.8	906.2	907.6	907.8	907.0	906.1
165°	918.6	917.4	916.1	914.9	916.1	917.4	918.6	919.9	920.1	919.1	918.2
167.5°	928.0	926.7	925.2	923.9	925.2	926.7	928.0	929.4	929.6	928.4	927.4
170°	933.1	931.7	930.2	928.9	930.2	931.7	933.1	934.4	934.5	933.3	932.0
172.5°	936.4	935.0	933.6	932.2	933.6	935.0	936.4	937.8	938.0	936.8	935.7
175°	940.8	939.3	938.0	936.6	938.0	939.3	940.8	942.1	942.2	940.9	939.7
177.5°	942.0	941.0	940.0	939.1	940.0	941.0	942.0	943.1	943.1	942.2	941.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	763.1	766.3	770.4	773.4	778.8	781.2	784.3	786.7	791.0	795.0	800.0
5°	711.7	717.5	725.2	733.7	743.5	750.3	759.8	765.5	777.0	787.6	797.7
7.5°	665.0	672.2	683.1	694.0	706.9	718.5	730.4	743.5	758.2	775.6	790.0
10°	633.1	642.6	654.4	668.0	683.6	697.1	713.0	727.3	745.2	765.5	784.5
12.5°	607.6	615.7	629.0	641.9	658.6	675.2	691.6	710.5	731.4	753.9	777.8
15°	572.5	579.3	590.0	608.1	625.0	641.2	665.9	683.6	710.0	735.0	763.8
17.5°	542.4	550.9	560.0	575.4	592.9	613.2	635.3	657.5	682.9	714.7	747.2
20°	524.1	530.8	541.3	553.1	571.8	592.1	613.1	635.4	666.6	699.5	734.4
22.5°	504.0	511.3	523.2	536.1	551.7	571.2	594.4	618.9	651.5	683.8	721.7
25°	480.4	485.4	496.2	507.7	523.3	539.9	564.0	591.1	623.3	660.2	698.8
27.5°	458.1	462.5	472.4	482.4	496.5	516.2	537.7	565.1	595.4	632.8	675.6
30°	442.0	446.8	455.6	466.5	480.0	497.3	519.3	545.0	577.6	614.1	658.9
32.5°	428.2	432.5	439.1	450.0	463.2	479.9	500.3	526.6	559.1	596.3	640.2
35°	406.8	411.5	416.6	425.1	436.7	452.9	475.3	500.0	531.1	567.0	607.3
37.5°	385.6	390.7	395.2	402.8	413.3	427.7	447.0	472.8	501.0	535.6	574.3
40°	372.3	376.3	380.0	388.2	398.7	412.2	430.2	453.3	483.0	515.2	547.4
42.5°	359.0	362.7	366.0	373.0	382.7	395.7	412.9	435.3	463.0	493.0	521.4
45°	338.0	340.5	344.2	350.3	358.0	369.9	386.5	406.5	429.9	458.3	479.7
47.5°	315.4	319.1	322.2	327.5	333.9	345.5	361.5	378.5	399.8	420.9	435.9
50°	298.1	301.8	306.2	311.3	317.4	328.2	342.8	360.1	378.0	394.3	407.2
52.5°	281.9	285.3	290.0	294.8	302.2	311.5	323.9	339.2	356.9	368.5	379.2
55°	257.8	259.5	264.9	269.7	276.8	283.6	296.0	309.6	320.5	329.2	338.0
57.5°	233.2	235.5	238.6	242.9	249.9	257.9	266.6	278.7	285.0	289.5	296.4
60°	217.5	218.1	220.2	225.2	230.7	237.8	248.0	256.5	261.2	264.9	270.6
62.5°	200.1	200.3	203.7	207.4	211.4	219.1	227.4	234.2	238.2	240.0	245.5
65°	175.8	175.1	177.2	180.2	184.9	190.0	197.2	203.2	202.9	204.9	208.3
67.5°	151.0	150.3	150.3	153.2	157.0	161.6	166.5	170.0	170.0	172.7	174.4
70°	134.1	132.2	133.5	135.8	137.5	141.2	146.7	148.0	148.4	149.7	151.4
72.5°	116.8	116.1	117.2	118.2	119.4	122.3	126.9	127.7	127.8	128.6	131.3
75°	92.8	92.1	91.5	92.5	93.8	95.9	97.6	98.9	98.5	98.9	100.9
77.5°	69.6	67.7	67.3	67.9	68.2	69.5	71.2	71.1	71.4	71.3	73.7
80°	55.2	52.5	52.2	52.2	52.5	53.1	53.9	54.6	53.5	54.6	55.2
82.5°	40.6	39.0	38.9	38.6	38.7	38.8	39.2	39.6	39.4	39.9	40.3
85°	22.4	21.7	20.7	21.3	21.0	20.0	20.7	19.6	19.4	19.6	20.0
87.5°	10.0	10.1	9.4	9.1	8.6	8.6	7.9	7.4	6.9	6.9	7.5
90°	11.9	11.1	10.1	9.0	7.9	6.8	5.6	4.5	3.2	2.0	0.7
92.5°	11.9	11.1	10.2	9.3	8.3	7.3	7.3	8.1	9.0	9.9	10.7
95°	11.9	11.1	17.0	22.9	28.8	34.7	37.9	38.3	38.8	39.3	39.8
97.5°	30.0	34.3	45.9	57.6	69.3	81.0	86.3	85.5	84.6	83.8	83.0
100°	98.3	121.4	120.7	120.1	119.5	118.9	118.3	117.9	117.3	116.9	116.5
102.5°	150.4	154.8	154.4	154.1	153.7	153.3	152.8	152.2	151.7	151.1	150.5
105°	207.8	207.8	207.8	207.8	207.8	207.8	207.5	206.9	206.3	205.6	205.0
107.5°	263.1	263.1	262.7	262.4	262.1	261.8	261.6	261.6	261.6	261.6	261.6
110°	299.4	299.9	299.5	299.3	298.9	298.6	298.5	298.5	298.5	298.5	298.5



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	335.0	335.6	335.4	335.2	335.0	334.8	334.6	334.2	333.8	333.4	333.1
115°	388.5	389.1	389.0	388.8	388.7	388.5	388.1	387.3	386.5	385.8	385.0
117.5°	440.3	441.1	440.6	440.0	439.3	438.8	438.5	438.5	438.5	438.6	438.6
120°	473.2	473.5	473.1	472.6	472.1	471.6	471.4	471.6	471.8	472.0	472.1
122.5°	505.0	505.3	505.1	504.9	504.6	504.4	504.0	503.5	502.8	502.3	501.7
125°	551.7	552.3	552.3	552.3	552.3	552.3	551.8	550.7	549.6	548.5	547.4
127.5°	593.8	594.1	594.2	594.3	594.4	594.5	594.1	593.4	592.6	591.8	591.1
130°	621.6	622.1	621.9	621.7	621.6	621.4	621.0	620.2	619.4	618.7	617.9
132.5°	647.0	647.1	647.5	647.8	648.2	648.5	648.3	647.3	646.4	645.5	644.6
135°	685.2	685.5	685.8	686.1	686.4	686.7	686.4	685.5	684.6	683.7	682.7
137.5°	720.1	720.1	720.4	720.7	720.9	721.2	720.9	720.1	719.3	718.5	717.7
140°	741.6	741.3	741.5	741.6	741.7	741.9	741.8	741.5	741.2	740.9	740.6
142.5°	763.1	763.0	762.9	762.6	762.4	762.1	762.0	761.8	761.6	761.4	761.3
145°	793.1	792.9	792.9	792.9	792.9	792.9	792.7	792.5	792.1	791.8	791.5
147.5°	818.8	818.6	818.4	818.1	818.0	817.8	817.8	817.8	817.9	818.0	818.0
150°	835.1	834.7	834.5	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7
152.5°	849.5	849.3	848.9	848.6	848.3	848.0	848.2	848.9	849.5	850.2	851.0
155°	869.3	868.9	868.6	868.3	868.0	867.6	868.0	868.9	869.9	870.8	871.7
157.5°	885.8	885.4	885.3	885.3	885.3	885.2	885.5	886.1	886.6	887.2	887.7
160°	896.0	895.4	895.3	895.1	894.9	894.8	895.2	896.1	897.1	898.0	898.9
162.5°	905.2	904.4	904.2	904.0	903.8	903.7	904.1	905.0	906.0	906.9	907.9
165°	917.3	916.3	916.1	916.1	915.9	915.7	916.1	917.0	917.9	918.9	919.8
167.5°	926.2	925.1	925.0	924.8	924.6	924.5	924.9	925.9	926.8	927.8	928.7
170°	930.9	929.6	929.4	929.3	929.1	929.0	929.4	930.5	931.6	932.6	933.8
172.5°	934.6	933.4	933.2	932.9	932.6	932.4	932.7	933.9	935.0	936.0	937.1
175°	938.5	937.3	937.1	936.9	936.7	936.7	937.0	938.0	938.9	939.8	940.8
177.5°	940.5	939.6	939.5	939.3	939.2	939.1	939.4	940.2	940.9	941.6	942.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



TEST NUMBER: P333178-940

CATALOG NUMBER: S125DIP-S610D810U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	802.5	806.2	808.6	813.2	817.1	819.2	821.1	822.7	824.7	826.3	830.9
5°	807.5	816.4	823.9	835.4	845.9	854.0	862.7	870.6	877.0	886.2	893.2
7.5°	805.3	821.0	837.4	855.2	873.4	890.4	905.9	920.5	933.7	949.7	963.7
10°	803.2	824.5	845.5	869.5	894.3	915.3	935.0	954.9	969.5	989.8	1007.1
12.5°	801.6	826.7	852.0	880.9	908.1	937.7	963.9	978.5	1000.7	1016.9	1037.4
15°	794.7	827.9	862.7	895.3	933.9	961.4	984.4	1012.8	1033.5	1054.2	1076.5
17.5°	782.4	820.0	859.1	901.7	938.7	968.2	997.8	1025.3	1050.0	1077.6	1105.5
20°	776.8	814.3	859.1	902.8	939.0	969.8	1000.3	1030.5	1057.6	1093.1	1125.2
22.5°	764.8	810.3	851.5	894.0	931.4	964.9	999.5	1033.7	1069.7	1109.9	1150.2
25°	743.5	789.6	833.3	875.3	912.9	954.9	991.8	1037.6	1083.6	1136.8	1187.0
27.5°	721.5	765.5	805.6	846.1	890.0	937.5	985.4	1037.3	1097.7	1164.8	1235.6
30°	703.6	745.2	784.2	825.8	871.6	925.1	977.6	1039.3	1109.0	1184.5	1268.5
32.5°	682.7	721.1	759.0	803.1	852.9	909.4	970.5	1038.1	1122.0	1207.9	1294.3
35°	647.0	679.2	718.1	765.2	821.4	886.2	957.0	1036.9	1133.1	1231.6	1304.5
37.5°	604.7	634.6	675.6	727.3	786.2	855.7	939.7	1034.5	1136.7	1215.2	1238.8
40°	576.2	604.0	646.7	700.2	760.5	834.0	926.1	1026.4	1125.2	1175.5	1156.1
42.5°	545.8	575.0	616.6	669.6	734.4	814.5	909.0	1009.3	1092.3	1111.2	1044.5
45°	497.9	528.1	569.1	622.6	692.4	779.1	877.7	968.8	1016.6	982.3	879.0
47.5°	453.4	481.7	519.7	574.9	646.9	736.6	831.5	904.2	908.0	826.3	716.0
50°	423.1	449.2	487.4	542.7	614.1	704.9	790.6	847.8	822.2	729.7	623.7
52.5°	393.2	418.8	456.6	511.2	581.9	665.0	744.8	785.0	736.5	641.6	551.0
55°	350.3	372.6	409.6	460.0	527.1	604.3	672.1	685.9	622.9	529.4	455.9
57.5°	308.3	329.1	362.7	409.2	470.5	539.0	591.9	589.0	522.4	442.1	383.8
60°	279.8	300.1	329.9	375.3	431.2	490.2	535.6	524.7	458.7	389.6	340.5
62.5°	254.3	272.5	300.7	340.4	391.4	445.9	483.2	467.3	402.5	342.1	303.3
65°	216.8	232.0	256.1	290.0	332.3	377.4	406.2	385.5	330.3	283.2	252.0
67.5°	180.9	193.1	213.3	240.4	276.5	312.6	330.2	309.4	265.2	230.9	207.8
70°	158.2	169.1	184.6	208.7	240.1	270.6	283.8	265.2	227.3	197.8	181.2
72.5°	135.5	144.4	158.1	179.7	204.9	231.4	242.9	225.2	193.9	169.1	153.6
75°	104.7	110.8	120.3	135.2	155.2	176.1	182.6	167.0	147.0	128.4	118.2
77.5°	74.9	80.1	87.3	96.7	110.8	124.2	129.8	120.8	105.3	93.5	85.2
80°	57.6	60.3	66.4	74.2	85.3	93.8	97.6	91.8	81.0	72.1	65.7
82.5°	41.0	43.8	47.4	53.9	61.0	66.7	70.7	66.9	59.0	52.1	48.3
85°	20.0	21.7	23.7	26.4	31.8	35.2	34.9	32.5	29.4	26.8	24.7
87.5°	7.4	7.9	9.0	10.6	11.7	12.9	13.7	13.4	12.6	11.9	11.2
90°	2.0	3.2	4.5	5.6	6.8	7.9	9.0	10.1	11.1	11.9	12.8
92.5°	9.9	9.0	8.1	7.3	7.3	8.3	9.3	10.2	11.1	11.9	12.8
95°	39.3	38.8	38.3	37.9	34.7	28.8	22.9	17.0	11.1	11.9	12.8
97.5°	83.8	84.6	85.5	86.3	81.0	69.3	57.6	45.9	34.3	30.0	25.6
100°	116.9	117.3	117.9	118.3	118.9	119.5	120.1	120.7	121.4	98.3	75.2
102.5°	151.1	151.7	152.2	152.8	153.3	153.7	154.1	154.4	154.8	150.4	146.1
105°	205.6	206.3	206.9	207.5	207.8	207.8	207.8	207.8	207.8	207.8	207.8
107.5°	261.6	261.6	261.6	261.6	261.8	262.1	262.4	262.7	263.1	263.1	263.1
110°	298.5	298.5	298.5	298.5	298.6	298.9	299.3	299.5	299.9	299.4	298.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	333.4	333.8	334.2	334.6	334.8	335.0	335.2	335.4	335.6	335.0	334.4
115°	385.8	386.5	387.3	388.1	388.5	388.7	388.8	389.0	389.1	388.5	387.9
117.5°	438.6	438.5	438.5	438.5	438.8	439.3	440.0	440.6	441.1	440.3	439.5
120°	472.0	471.8	471.6	471.4	471.6	472.1	472.6	473.1	473.5	473.2	472.9
122.5°	502.3	502.8	503.5	504.0	504.4	504.6	504.9	505.1	505.3	505.0	504.7
125°	548.5	549.6	550.7	551.8	552.3	552.3	552.3	552.3	552.3	551.7	551.1
127.5°	591.8	592.6	593.4	594.1	594.5	594.4	594.3	594.2	594.1	593.8	593.4
130°	618.7	619.4	620.2	621.0	621.4	621.6	621.7	621.9	622.1	621.6	621.1
132.5°	645.5	646.4	647.3	648.3	648.5	648.2	647.8	647.5	647.1	647.0	646.9
135°	683.7	684.6	685.5	686.4	686.7	686.4	686.1	685.8	685.5	685.2	684.9
137.5°	718.5	719.3	720.1	720.9	721.2	720.9	720.7	720.4	720.1	720.1	720.2
140°	740.9	741.2	741.5	741.8	741.9	741.7	741.6	741.5	741.3	741.6	741.9
142.5°	761.4	761.6	761.8	762.0	762.1	762.4	762.6	762.9	763.0	763.1	763.2
145°	791.8	792.1	792.5	792.7	792.9	792.9	792.9	792.9	792.9	793.1	793.2
147.5°	818.0	817.9	817.8	817.8	817.8	818.0	818.1	818.4	818.6	818.8	818.9
150°	834.5	834.1	833.8	833.5	833.5	833.8	834.1	834.5	834.7	835.1	835.4
152.5°	850.2	849.5	848.9	848.2	848.0	848.3	848.6	848.9	849.3	849.5	849.9
155°	870.8	869.9	868.9	868.0	867.6	868.0	868.3	868.6	868.9	869.3	869.9
157.5°	887.2	886.6	886.1	885.5	885.2	885.3	885.3	885.3	885.4	885.8	886.4
160°	898.0	897.1	896.1	895.2	894.8	894.9	895.1	895.3	895.4	896.0	896.6
162.5°	906.9	906.0	905.0	904.1	903.7	903.8	904.0	904.2	904.4	905.2	906.1
165°	918.9	917.9	917.0	916.1	915.7	915.9	916.1	916.1	916.3	917.3	918.2
167.5°	927.8	926.8	925.9	924.9	924.5	924.6	924.8	925.0	925.1	926.2	927.4
170°	932.6	931.6	930.5	929.4	929.0	929.1	929.3	929.4	929.6	930.9	932.0
172.5°	936.0	935.0	933.9	932.7	932.4	932.6	932.9	933.2	933.4	934.6	935.7
175°	939.8	938.9	938.0	937.0	936.7	936.7	936.9	937.1	937.3	938.5	939.7
177.5°	941.6	940.9	940.2	939.4	939.1	939.2	939.3	939.5	939.6	940.5	941.4
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8	940.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	834.6	836.8	841.4	839.8	842.0	843.0	844.2
5°	902.1	912.9	917.7	916.9	924.1	922.4	920.7
7.5°	978.2	989.6	996.0	1003.9	1008.5	1008.8	1012.8
10°	1021.3	1036.2	1042.3	1050.8	1056.2	1059.3	1058.9
12.5°	1054.4	1066.0	1079.7	1083.9	1091.2	1095.0	1093.6
15°	1094.1	1112.8	1126.9	1134.1	1143.3	1145.9	1149.7
17.5°	1129.6	1154.6	1171.3	1193.3	1201.7	1206.8	1203.7
20°	1156.5	1189.3	1205.9	1232.3	1246.9	1254.7	1252.0
22.5°	1188.2	1223.7	1254.5	1277.3	1299.5	1310.0	1312.2
25°	1242.5	1291.3	1336.3	1366.5	1393.9	1400.3	1414.6
27.5°	1303.2	1360.8	1408.9	1440.6	1459.7	1466.9	1471.3
30°	1341.4	1398.6	1434.9	1455.2	1461.3	1460.6	1460.0
32.5°	1360.1	1396.0	1402.9	1397.2	1383.3	1371.5	1359.1
35°	1333.6	1306.9	1266.9	1215.4	1177.5	1139.2	1135.4
37.5°	1199.4	1113.8	1047.3	973.0	930.1	903.7	885.3
40°	1073.1	975.9	895.3	832.6	788.9	771.7	754.7
42.5°	936.0	843.1	771.7	719.3	686.5	667.4	653.9
45°	760.5	678.5	622.6	584.7	558.6	543.7	535.2
47.5°	623.1	562.5	515.1	487.7	469.7	458.1	458.1
50°	549.5	491.5	460.0	438.4	422.8	413.6	415.3
52.5°	484.1	440.9	413.9	395.7	384.2	378.6	378.4
55°	404.8	373.6	356.1	342.8	335.0	328.6	329.9
57.5°	346.3	319.9	308.2	297.2	291.8	289.2	285.5
60°	310.0	289.6	279.5	270.6	265.2	263.2	259.5
62.5°	277.7	261.7	251.8	244.6	239.8	239.1	236.1
65°	233.4	221.2	212.4	209.0	203.9	202.6	202.6
67.5°	192.4	183.7	176.8	173.7	171.5	171.8	170.1
70°	166.7	159.5	155.2	151.8	150.1	150.4	149.0
72.5°	145.8	137.9	134.0	132.0	129.7	130.6	130.1
75°	110.4	106.4	104.3	102.3	100.9	100.2	99.6
77.5°	81.1	77.5	76.0	74.8	75.0	73.4	74.6
80°	62.7	59.7	58.6	56.9	56.5	56.5	56.3
82.5°	45.8	44.1	43.4	42.0	41.4	41.9	41.0
85°	23.7	22.4	22.0	22.0	21.3	20.7	22.4
87.5°	11.3	10.4	10.5	10.3	10.5	10.3	9.8
90°	13.5	14.3	14.9	15.3	15.8	16.2	16.8
92.5°	13.5	14.3	14.7	15.0	15.2	15.4	15.6
95°	13.5	14.3	14.6	14.6	14.6	14.6	14.6
97.5°	21.2	16.9	14.6	14.6	14.6	14.6	14.6
100°	52.1	29.0	17.1	16.5	15.9	15.2	14.6
102.5°	141.7	137.3	129.9	119.3	108.8	98.3	87.7
105°	207.8	207.8	207.8	207.6	207.4	207.2	207.1
107.5°	263.1	263.1	263.0	262.5	262.0	261.5	261.1
110°	298.5	298.0	297.8	298.0	298.2	298.3	298.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	333.8	333.2	332.8	332.6	332.3	332.2	332.0
115°	387.3	386.6	385.8	385.0	384.0	383.1	382.2
117.5°	438.7	437.9	437.3	436.9	436.5	436.1	435.7
120°	472.6	472.3	471.7	470.9	470.2	469.4	468.6
122.5°	504.4	504.1	503.5	502.6	501.7	500.8	499.9
125°	550.5	549.8	549.3	548.8	548.3	547.9	547.4
127.5°	593.2	592.8	592.0	590.9	589.8	588.6	587.5
130°	620.6	620.2	619.6	618.8	618.0	617.2	616.4
132.5°	646.8	646.8	646.3	645.6	644.8	644.0	643.3
135°	684.6	684.3	683.7	682.7	681.8	680.8	679.9
137.5°	720.2	720.3	720.0	719.2	718.4	717.6	716.8
140°	742.3	742.5	742.3	741.3	740.4	739.4	738.5
142.5°	763.2	763.3	762.9	762.0	761.0	760.1	759.1
145°	793.4	793.5	793.1	792.2	791.3	790.3	789.4
147.5°	819.1	819.3	818.9	817.7	816.6	815.5	814.4
150°	835.7	836.0	835.5	834.3	833.0	831.8	830.5
152.5°	850.2	850.5	850.1	849.0	847.8	846.8	845.6
155°	870.3	870.8	870.4	869.2	867.9	866.7	865.4
157.5°	886.9	887.3	887.0	885.7	884.5	883.2	882.0
160°	897.2	897.9	897.6	896.3	895.1	893.9	892.6
162.5°	907.0	907.8	907.6	906.2	904.8	903.5	902.1
165°	919.1	920.1	919.9	918.6	917.4	916.1	914.9
167.5°	928.4	929.6	929.4	928.0	926.7	925.2	923.9
170°	933.3	934.5	934.4	933.1	931.7	930.2	928.9
172.5°	936.8	938.0	937.8	936.4	935.0	933.6	932.2
175°	940.9	942.2	942.1	940.8	939.3	938.0	936.6
177.5°	942.2	943.1	943.1	942.0	941.0	940.0	939.1
180°	940.8	940.8	940.8	940.8	940.8	940.8	940.8

(END OF REPORT)